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# Model #: SU3000XLNAFTA

## SmartOnline Expandable Tower UPS System - NAFTA assembled version of SU3000XL

### Highlights

- 3000VA / 3KVA on-line, double-conversion, extended-run tower UPS
- Maintains sine-wave 110/120V +/-2% output during overvoltages to 138 and brownouts as low as 65V (50/60Hz auto-sensing)
- Simultaneous use communications via HID compliant USB port, serial port, SNMP/Web card slot and EPO interface
- Fault tolerant auto-bypass mode, current monitoring and switched PDU control via 2 switchable output load banks
- Input: NEMA L5-30P (120V) / Output: 4 NEMA5-15R, 4 NEMA5-15/20R & 1 NEMA L5-30R
- 2 year product warranty / $250,000 Ultimate Lifetime Insurance (USA & Canada only)

### Description

3000VA on-line, double-conversion UPS system for critical server, network and telecommunications equipment. Upright tower form factor. Expandable battery runtime with optional BP72V28-3UNAFTA external battery packs. Full-time sine wave 110 or 120V +/-2% output. Online, double-conversion Uninterruptible Power Supply (UPS) actively converts raw incoming AC power to DC, then re-converts output back to completely regulated, filtered AC output. Operates continuously without using battery power during brownouts to 65V and overvoltages to 138V. NEMA L5-30P input plug; NEMA 5-15R, NEMA 5-15/20R and NEMA L5-30R output receptacles. Network-grade AC surge and noise suppression. Zero transfer time between AC and battery operation. Network management interfaces support simultaneous communications via USB port, DB9 serial port and SNMPWEBCARD slot. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Supports simultaneous detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. Integrated 2-bank PDU switching supports load shedding and remote-reboot of connected equipment. 3-stage metered current monitoring and battery charge status LEDs. Dataline surge suppression for dialup, DSL or network Ethernet connection. Utility power and voltage regulation LEDs. Audible alarm. Self-test. Fault-tolerant auto-bypass mode. Field-replaceable, hot-swappable internal batteries and external battery packs. Attractive all-black color scheme. 2-year warranty and $250,000connected equipment insurance; extended warranty and service contracts available

Applications

- Ideal for protection of critical servers, internetworking equipment and other other sensitive electronic loads. Common applications include corporate or departmental servers, workstations, hubs, routers, bridges, CAD/CAM workstations, concentrators, IP telephony and traditional PBX switching systems.

Package Includes

- SU3000XLNAFTA UPS System
- PowerAlert Software and Cabling
- Instruction manual with warranty information

### Features

- SmartOnline high performance UPS system is ideal for critical voice, data, medical and industrial network applications

- True on-line, double-conversion UPS provides perfectly regulated sine wave output within 2% of 110/120V (user selectable) under all usage conditions
- Maintains continuous operation through blackouts, voltage fluctuations and surges with zero transfer time
- Removes harmonic distortion, fast electrical impulses, frequency variations and other hard to solve power problems not addressed by other UPS types
- Corrects line voltage conditions as low as 65V and as high as 138V back to selectable 110/120V (+/-2%) values
- Standard internal battery set offers 14 minutes runtime at half load (1200W) and 5 minutes at full load (2400W)
- Optional BP72V28-3UNAFTA external battery packs offer expandable battery runtime
- Space saving upright tower format
- Fault tolerant auto-bypass maintains continuous utility output to connected equipment, even in cases where the UPS suffers internal failure and requires maintenance
- Network interfaces support simultaneous communications via built-in USB, DB9 serial/contact-closure and SNMPWEBCARD slot
- HID compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X.
- Included PowerAlert UPS monitoring software supports safe unattended shutdown, monitoring and control via local connected servers, plus any number of additional servers over IP
- UPS interface supports on-battery, low-battery, power-restored, AC-voltage, DC-voltage, output current monitoring, battery charge current, battery capacity, AC line frequency, timed inverter shutoff, activate self-test, load bank output power control and remote reboot, UPS nominal voltage adjustment and UPS line to battery power voltage setpoints
- Built-in Emergency Power Off (EPO) interface with cable
- NEMA L5-30P input plug/NEMA 5-15/20R, L5-20R & L5-30R output receptacles
- Integrated 2 bank switched PDU enables remote outlet management for load shedding or remote reboot of individual load banks (each bank has four outlets)
- Front panel LEDs offer current monitoring and battery charge level information
- UPS ships fully assembled in full compliance with DOT regulations; no time consuming connection of internal batteries by user required
- Single line TEL/DSL or network ethernet line surge suppression
- 2 year manufacturer's product warranty; $250,000 Ultimate Lifetime Insurance

## Specifications

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|---|---|
| **SYSTEM OVERVIEW** | |
| **Voltage compatibility** | 120V AC (110/120V) |
| **Frequency compatibility** | 50/60 Hz compatible (auto-sensing) |
| **OUTPUT** | |
| **Output VA** | 3000 |
| **Output watts** | 2400 |
| **Output nominal voltage** | 120V AC (110/120V) |
| **Output voltage regulation** | Maintains full-time sine wave output within 2% of selected nominal, less than 3% total harmonic distortion (linear load) / 5% total harmonic distortion (computer load) (Less than 5% THD on-line and on-battery) |
| **Output frequency regulation** | Regulates line frequency to 50/60Hz +/- 0.05Hz |
| **Outlet quantity / type** | 4 NEMA 5-15R, 4 NEMA 5-15/20R, 1 NEMA L5-30R |
| **Customized load management receptacles** | 2 controllable load banks support load shedding and remote reboot on demand of locked network devices (bank 1 has 4 outlets / bank 2 has 2 outlets) |
| **Overload protection** | Via 40A input breaker |
| **INPUT** | |
| **Maximum input amps** | 24A (120V) / 26.2A (110V) |
| **Input connection type** | NEMA L5-30P |
| **Input cord length** | 10ft / 3m |

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| **Recommended Electrical Service** | 120V 30A dedicated circuit |
| **BATTERY** | |
| **Full load runtime** | 6 minutes (2400 watts) - expandable |
| **Half load runtime** | 17 minutes (1200 watts) - expandable |
| **Expandable battery runtime** | Supports extended runtime with optional external battery packs BP72V28-3UNAFTA (multi-pack compatible) |
| **DC system voltage** | 72VDC |
| **Typical battery lifespan** | 3-6 years, depending on usage |
| **Battery recharge rate** | less than 6 hours to 80% |
| **Replacement Battery Cartridge** | RBC96-3U (qty 1) |
| **VOLTAGE REGULATION** | |
| **Voltage regulation description** | On-line, double-conversion power conditioning maintains output within 2% of 110/120 volts at all times |
| **Overvoltage correction** | Maintains output of selected nominal +/-2% during overvoltages to 138V AC |
| **Brownout correction** | Maintains output of selected nominal +/-2% during undervoltages to 65V AC (at loads greater than 70% undervoltage correction extends to 80V) |
| **LEDS ALARMS & SWITCHES** | |
| **Front panel LEDs** | LED STATUS DISPLAY: line power (green), online (green), bypass (yellow), on battery (green), overload (red), battery low (yellow) - 4 LED LOAD / BATTERY LEVEL DISPLAY (100%, 75%, 50%, 25%). |
| **Alarms** | Multi-function audible alarm with distinctive ring patterns offer notification of backup operation (2 seconds on / 0.5 seconds off), low battery warning (1.25 seconds on / 0.5 seconds off), overload (sounds continuously), UPS fault (4.2 seconds on / 1 second off), input voltage out of frequency (2.1 seconds on / 0.14 seconds off) and high input voltage (2.1 seconds on 0.07 seconds off) |
| **Switches** | Includes power off/on switch to enable system turn on (press ON switch), UPS battery test (press ON switch during normal AC operation), buzzer silence (press ON switch during battery operation) and OFF (press OFF switch). All switch functions require that the switch be pressed and held for longer than 2 seconds, but less than 4 seconds |
| **SURGE / NOISE SUPPRESSION** | |
| **AC surge suppression** | 480 joules |
| **AC suppression response time** | Instantaneous |
| **Dataline suppression** | Set of 8 wire RJ style interface jacks offer surge suppression for network ethernet or TEL/DSL connection. Pins 1,2,3 and 6 offer ethernet protection starting at 7.5V and the center two wires, pins 4 & 5, offer TEL/DSL line suppression starting at 260V |
| **EMI / RFI AC noise suppression** | Yes |
| **PHYSICAL** | |
| **Shipping weight (lbs)** | 75.2 |
| **Shipping weight (kg)** | 34.1 |
| **Shipping Dimensions (HWD/in)** | 15.25 x 13 x 24 |
| **Shipping Dimensions (HWD/cm)** | 38.7 x 33 x 61 |
| **Unit weight (lbs)** | 69.3 |
| **Unit weight (kg)** | 31.5 |

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| **Unit Dimensions (HWD/in)** | 10.25 x 9 x 20.5 |
| **Unit Dimensions (HWD/cm)** | 26 x 22.9 x 52.1 |
| **Material of construction** | Steel |
| **Form factors supported** | Tower |
| **Cooling method** | Built-in cooling fan |
| **Battery Access** | User replaceable, hot-swappable battery replacement supported via front access panel |
| **ENVIRONMENTAL** | |
| **Relative Humidity** | 0 to 95%, non-condensing |
| **Storage Temperature** | +5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius |
| **Operating Temperature** | +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius |
| **Line mode BTU/hr. (Max.)** | 1113 BTU/hr. |
| **Battery mode BTU/hr. (Max.)** | 1219 BTU/hr. |
| **Audible Noise** | |
| **COMMUNICATIONS** | |
| **Network monitoring port** | Includes USB and DB9 serial ports. Built-in DB9 port offers both enhanced RS-232 enabled monitoring data, plus contact closure monitoring ability. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. |
| **Software and cabling included** | Yes, includes PowerAlert software CD-ROM and complete cabling |
| **SNMP compatibility** | Yes, includes slot for optional SNMPWEBCARD accessory (#SNMPWEBCARD) |
| **WatchDog compatibility** | Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipmentideal for unattended kiosk applications |
| **LINE / BATTERY TRANSFER** | |
| **Transfer time from line power to battery mode** | Zero, online UPS continuously converts incoming AC to DC, then back to AC. When commercial power is interrupted, UPS maintains continuous output from battery reserves with absolutely no disruption in output AC power. |
| **Low voltage transfer to battery power** | Maintains continuous operation during undervoltages as low as 65V (80V at load levels over 70%). Below this switchover point, output is supported from battery derived AC power. |
| **High voltage transfer to battery power** | Maintains continuous operation without using battery power during overvoltages to 138V. Above this point, output is supported from battery derived AC power. |
| **SPECIAL FEATURES** | |
| **EPO port** | Supports "Emergency Power Off" via set of dedicated built-in EPO jacks |
| **Cold Start** | Yes, inverter can be "cold started" to enable temporary AC output during a power failure |
| **Appearance** | Attractive black steel rackmount housing |
| **BATTERY PACK ACCESSORY (optional)** | |
| **Battery Pack Accessory (optional)** | BP72V28-3UNAFTA (optional) |
| **CERTIFICATIONS** | |
| **Certifications** | Tested to UL1778 (USA), CSA (Canada), NOM (Mexico), Class A (emissions), FCC Part 68 / Industry Canada (telecommunications), RoHS compliant |
| **WARRANTY** | |

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|---|---|
| **Product Warranty Period** | 2 year product warranty |
| **Connected Equipment Coverage** | $250,000 connected equipment insurance (USA and Canada only) |
| **Optional Coverage** | 3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information. |

## Related Items

| **Audio Cables** | | |
|---|---|---|
| CT120 | Instant-Read- AC Outlet Circuit Tester | Qty: [optional] |

| **External Battery Packs** | | |
|---|---|---|
| BP72V15-2U | BP72V15-2U - External Battery Pack for UPS System | Qty: [optional] |
| BP72V28RT-3U | BP72V28RT-3U - External Battery Pack for UPS System | Qty: [optional] |

| **Shutdown Cable Kits** | | |
|---|---|---|
| AS400CABLE KIT | Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers | Qty: [optional] |

| **SNMP Accessories** | | |
|---|---|---|
| ENVIROSENSE | Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.) | Qty: [optional] |
| SNMPWEBCARD | For remote monitoring and control via SNMP, Web or telnet. | Qty: [optional] |

| **Surge Protectors** | | |
|---|---|---|
| DTEL2 | Network Surge Suppressor - Essential protection for data and communication lines | Qty: [optional] |
| DNET1 | Network Surge Suppressor - Essential protection for data and communication lines | Qty: [optional] |
| DCATV | Network Surge Suppressor - Essential protection for TV/VCR coaxial lines | Qty: [optional] |

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3548.

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